Laser Technology, Inc.

LaserSoft®

# SpeedCapture

## User's Guide

## 3rd Edition for Android

LASER TECHNOLOGY INC

LTI LaserSoft® SpeedCapture User's Guide
3rd Edition for Android
Part Number 3210002

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How to Contact LTI:

| | |
|---|---|
| Street Address: | 6912 S. Quentin Street<br>Centennial, CO 80112 USA |
| Phone: | 1-303-649-1000<br>1-800-790-7364 (USA and Canada) |
| Fax: | 1-303-649-9710 |
| Web Site: | www.lasertech.com |
| Email: | service@lasertech.com |

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# 1. Introducing SpeedCapture

Thank you for downloading LaserSoft® SpeedCapture for Android! Now you can capture undeniable confirmation of traffic offenses and instantly send a photo down the road to the officer writing citations. You have the option to show exactly what was seen through the TruSpeed® Sxb laser from the moment the speed measurement took place. You can even keep a detailed log of violations by archiving the data to a computer.

- Enter relevant violation data along with a captured photo of the offender.
- Log daily activity and store it all on your computer.
- Send the photo and speed data to another officer down the road.

## Technical Specifications

LaserSoft SpeedCapture has been designed to run on Android operating platforms for use in conjunction with Laser Technology speed measurement devices.

| Specification | Description |
|---|---|
| **Supported Operating Systems** | Android version 2.2-4.4.4 |
| **Supported Devices** | • Galaxy S3, S4 & S5<br>• Galaxy Tab<br>• Other smartphones running Android 2.2-4.4.4** |
| **Connectivity** | Bluetooth |
| **Hardware** | • Laser Technology, Inc. TruSpeed® Sxb Speed Measurement Device<br>• Optional specially designed mounting brackets for Android phones etc. (Figure 1) |
| **Supported Languages** | • English, French and Portuguese<br>• Templates available for translation for approved law enforcement personnel only |

**** Listed phones and devices have been tested. It is likely that SpeedCapture will perform as designed on other smartphones running Android 2.2-4.4.4; however, it cannot be guaranteed. The devices tested were chosen because brackets already exist for attachment to the laser.**

Specially designed mounting brackets attach the phone to the laser device to photograph exactly what the officer saw through the scope:

**NOTE** Contact LTI for further information on compatible mounting brackets and other accessories.

Figure 1

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# 2. Getting Started with SpeedCapture

This chapter describes the basic knowledge necessary to get started with SpeedCapture. It explains how to get the SpeedCapture app from Google Play and launch the app. Once the application has been successfully launched, follow the directions in this chapter to use the main menu and configure the settings.

## Getting the SpeedCapture App from Google Play

To get the SpeedCapture app from Google Play:

1. Search for "SpeedCapture" using the Google Play search function.
2. Tap the SpeedCapture icon to install the app as with any other Android application.

## Pairing a Phone to the Laser

To ensure the phone is properly communicating with the laser, it must be connected with Bluetooth.
To begin this process, verify that the laser is powered on and within range:

1. Find and tap the Settings icon on the Applications screen.

2. Tap Bluetooth on the Settings list to bring up the list of available devices (Figure 2).

3. Tap the TruSpeed laser device's serial number, which should be listed among the other devices connected via Bluetooth with on the phone. For this example, it is "TXXS-TJ002159" (Figure 3).

4. Enter the device's PIN or confirm the passkey (Figure 4).

    - The PIN is 6912 to connect the laser via Bluetooth.
    - The passkey is random and different every time a phone is paired with a laser. Some phone models may not request confirmation of passkey.

5. Tap "OK". After tapping "OK", the laser is paired with the Android phone and will appear in the "Paired Devices" list.

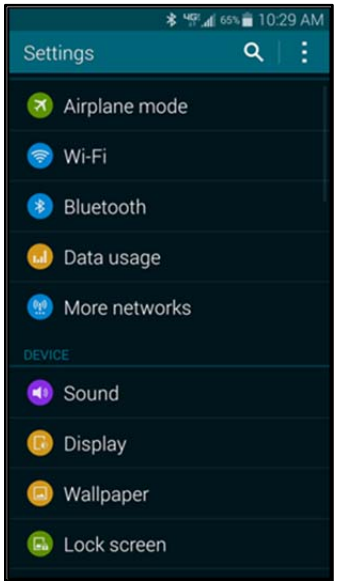


Figure 2

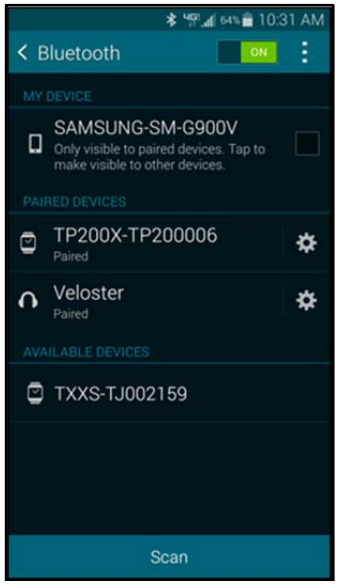


Figure 3

Figure 4

**NOTE** Sometimes more than one attempt is necessary when establishing the Bluetooth connection between laser and phone. It may be necessary to "forget" the laser device from the Bluetooth list and then re-pair them or totally shut down and restart the phone.

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## Launching the SpeedCapture App

To launch the SpeedCapture app:

1. Find the SpeedCapture icon on the Applications screen.
2. Tap the SpeedCapture icon (Figure 5).

Figure 5

## Using the Main Menu

This is the SpeedCapture main menu screen (Figure 6):

Figure 6

- Tap the "Enforce" button to begin taking speed measurements. For more information on using "Enforce" see Page 14.
- Tap the "Logs" button access all saved speed measurements. For more information about "Logs," see Page 24.
- Tap the "Settings" button to enter the information constant to the set of measurements you are taking during an enforcement session. For more information about "Settings" see the following section.
- Tap the "Location" button to display the number and date of speed records taken by location.

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## Configuring the Settings

The Settings area enables the configuration of the settings that will remain constant to a set of measurements taken during an enforcement session. This area is composed of three individual tabs that allow for information entry or upload: General, Load data, and Database.

General Tab

When Settings is selected from the main menu, the "General" tab is displayed. Details can be entered about the location in which speed measurements are about to be taken. An example of how these details may be entered is shown here (Figure 7):

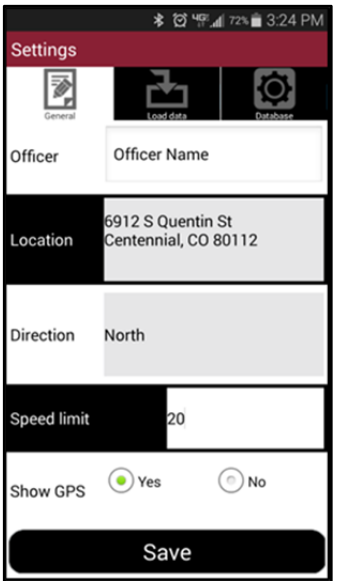


Figure 7

**Sample entries in Settings "General" tab:**

- **Officer**: The name of the officer taking the speed measurements.
- **Location**: The location where the officer is taking the speed measurements.
- **Direction**: The direction the officer is facing while taking the speed measurements.
- **Speed Limit**: The applicable speed limit for the location. NOTE Tapping "Done" on the phone's keyboard removes the phone from view.
- **Show GPS:** Choose "Yes" to display GPS Longitude/Latitude information on speed measurement records that are saved to the logs.
- **Save:** Tap the "Save" button to save the entries and return to the SpeedCapture main menu..

**NOTE** The "Location" field is auto-filled upon tapping the "Enforce" button. The location pin can be moved by the user to improve upon the accuracy of the smart device. If desired, the location field can be manually entered with a location by the user.

In addition to entering information about the current enforcement session's location, SpeedCapture also allows you to upload proprietary lists of vehicle categories, makes, models, and potential offenses that will be available to choose from when saving a speed measurement record. A comprehensive set of these choices is already included within SpeedCapture; however, the option is available to either create or purchase and upload data from other sources. This feature is described in the next section, Load Data Tab.

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## Load Data Tab

As you take a speed measurement for a potential offense, you can save additional details about the offender's vehicle. In the "Load Data" tab, if the pre-loaded lists of choices are not comprehensive to you, you may upload your own lists of vehicle categories, makes/models, and colors as well as types of offenses for which you are making stops. Currently, these areas are uploaded with the most current data on car makes and models from The Vehicle List and will be updated through the SpeedCapture app when new vehicles come out. The "Load data" tab is shown below (Figure 8) and is located by tapping the "Load Data" tab at the top of the Settings screen

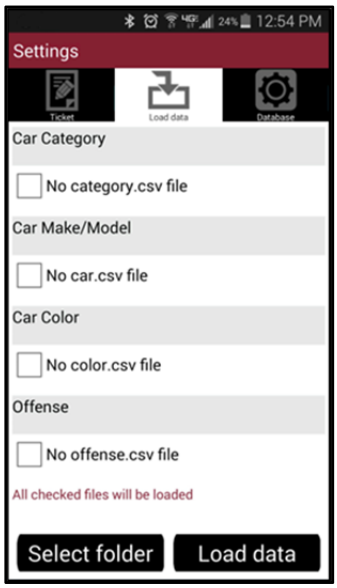


Figure 8

An extensive data file from The Vehicle List including all known vehicle makes and models has been pre-loaded into the SpeedCapture app. As new vehicles are manufactured, the preloaded lists will be updated through the app. You should never have a problem locating a vehicle make or model within SpeedCapture. However, some customers may have their own vehicle lists in *.csv file format and would rather use those. The "Load data" screen allows you to upload your own lists of vehicle categories, makes/models, colors, and types of offenses.

**NOTE** The checkboxes in this section are inactive unless SpeedCapture detects the existence of a *.csv file. If a *.csv file has been uploaded to the phone, the checkboxes next to the file(s) will be active for uploading.

Whether using SpeedCapture's pre-loaded vehicle and offense choices or user proprietary choices, these choices may be edited further in the "Database" tab of the Settings screen.

Proprietary *.csv files can be made in Excel and then placed into any folder on the smartphone. Tap [Select folder] to browse and locate the folder that contains the *.csv file(s). The *.csv file names and formats must remain the same, but as many fields as necessary can be added or translated. Figure 9 displays the category.csv, color.csv, and offense.csv file formats. Please follow these exactly if you wish to create your own. File names must be category.csv, color.csv, and offense.csv in order for SpeedCapture to recognize and import it.

*Sample category.csv file format:*

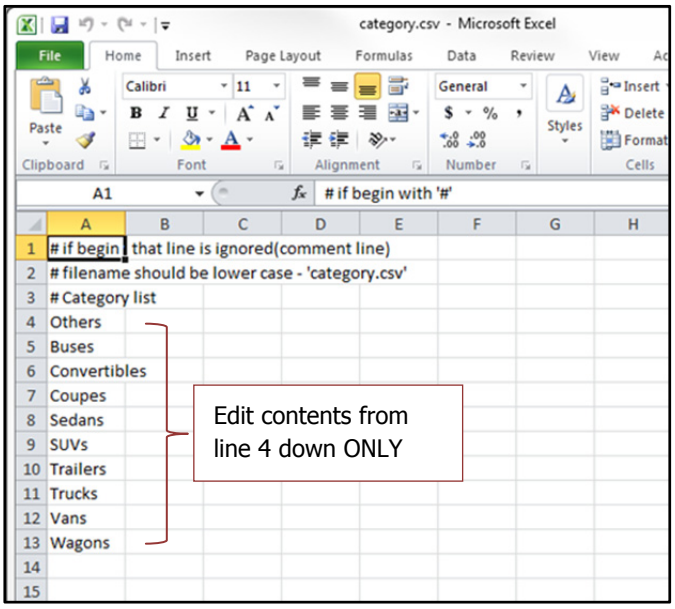


Figure 9

(continued on next page)

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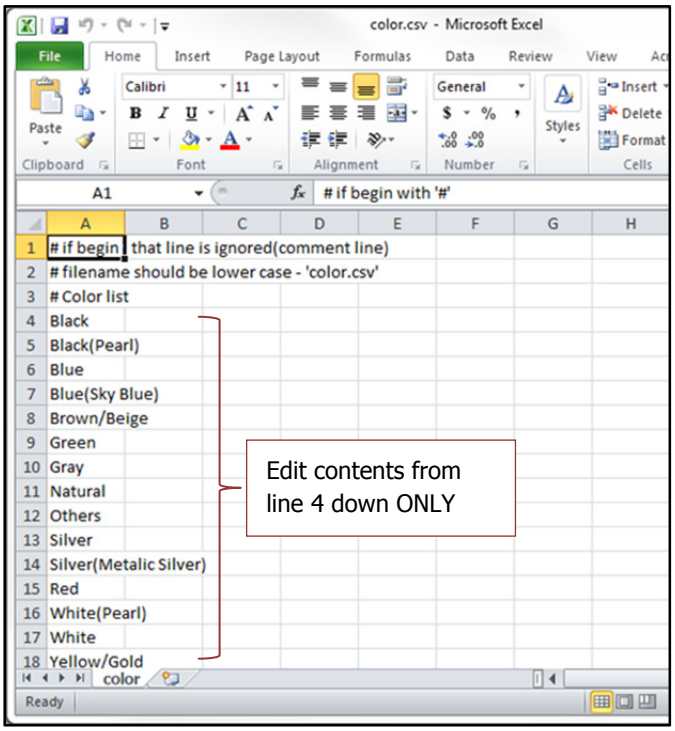
*Sample color.csv file format:*




*Sample offense.csv file format:*

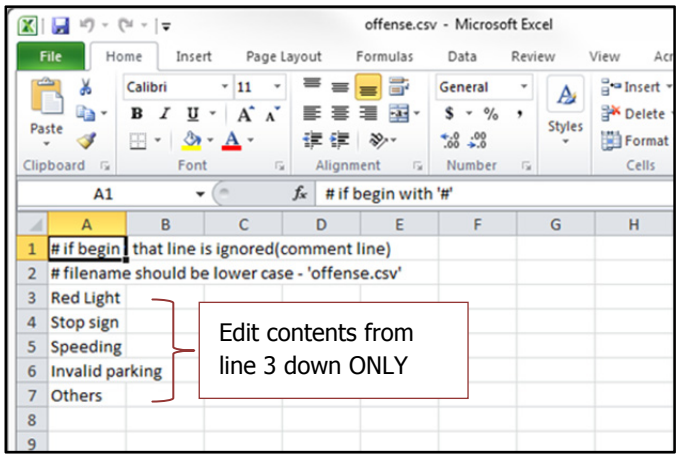



Figure 9

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Database Tab

When you have taken a speed measurement and wish to save the file, you are offered choices on vehicle category, make/model, color, and the offense for which the vehicle has been stopped. In the "Database" tab, you may edit existing choices or add a choice that is not listed. The "Database" tab is shown below (Figure 10) and is located by tapping the "Database" tab at the top of the Settings screen:

Figure 10

**Description of Choices in the "Database" tab:**

- **Add Contacts**: Tap to add one or more contacts from the device contact list for use in sending text images from SpeedCapture to other officers.
- **Remove Contacts**: Tap to clear out previous contact selections.
- **Category**: Tap to bring up a list of broad vehicle categories to delete or add to.
- **Make/Model**: Tap to bring up a list of current vehicle makes to edit, delete, or add. Once a make is selected, you may move forward in selecting a model to edit, delete or add.
- **Color**: Tap to bring up a list of available vehicle color options to delete or add.
- **Offense**: Tap to bring up a list of available offenses to edit, delete or add.

**NOTE** All entries you have added to Category, Make/Model, Color, and Offense groups within the "Database" tab will remain despite updates from the SpeedCapture app. SpeedCapture will only copy over new vehicle makes and models during an update and will not overwrite any user additions.

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*Add/Remove Contacts*

For group enforcement, SpeedCapture facilitates fast and easy photo/offense transmission from one officer to others that will be issuing citations. Team members for a particular group enforcement session can be added or removed as recipients for texted enforcement records at any time.

Adding and Removing Contacts:

1. Tap "Add Contacts" from the Database Tab main screen (Figure 11).
2. The device contact list will be displayed (Figure 12).
3. Tap a contact name to add them as a recipient for group texts (Figure 13). Add as many recipients as necessary by repeating these steps. SpeedCapture will remember these recipients until the app is closed.
4. Tap "Remove Contacts" to remove all selected recipients (Figure 14).

Figure 11

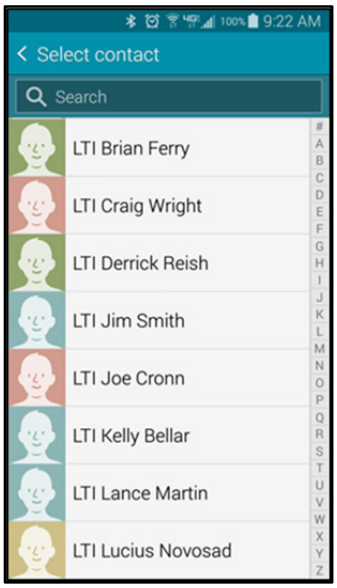


Figure 12

Figure 13

Figure 14

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*Category Section*

Adding a category:

1. Tap "Category" (Figure 10 on Page 8) to begin. A list of current available categories is displayed (Figure 15).
2. Tap in the empty field next to the "Add" button to enter the name of your new vehicle category, in this example, "New Category" is used (Figure 16).
3. Tap "Add." The new category will appear in alphabetical order (Figure 17).

Figure 15

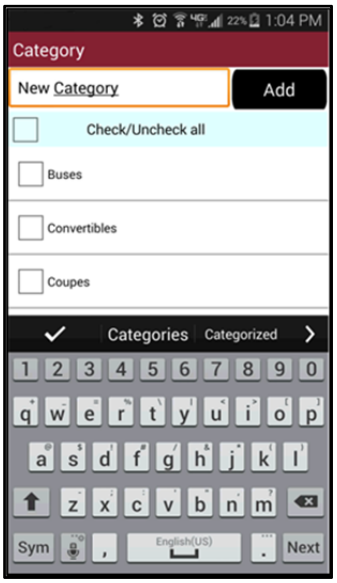


Figure 16

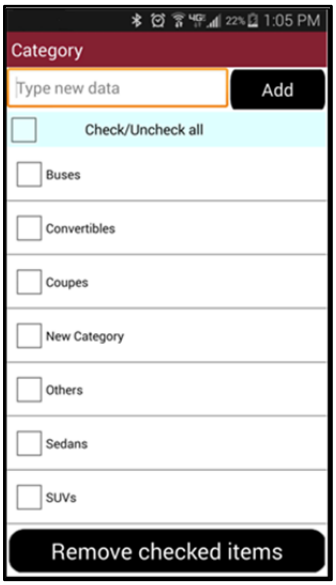


Figure 17

Tapping the Back key at the bottom of the phone returns SpeedCapture to the "Database" tab.

Deleting a category:

1. Tap the checkbox next to the category to be deleted, "New Category" in this example (Figure 17).
2. Once a green check mark appears next to the category to be deleted (Figure 18), tap the "Remove checked items" button to delete the category.

Figure 18

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*Make/Model Section*

Adding a vehicle make:

1. Tap "Make/Model" (Figure 10 on Page 8) to begin. A list of current available vehicle makes is displayed (Figure 19).
2. Tap in the empty field next to the "Add" button to enter the name of the new vehicle make, in this example, "New Make" is used (Figure 20).
3. Click "Add." The new make will appear in alphabetical order (Figure 21).

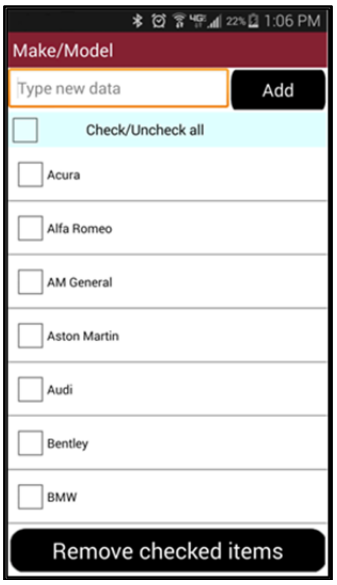


Figure 19

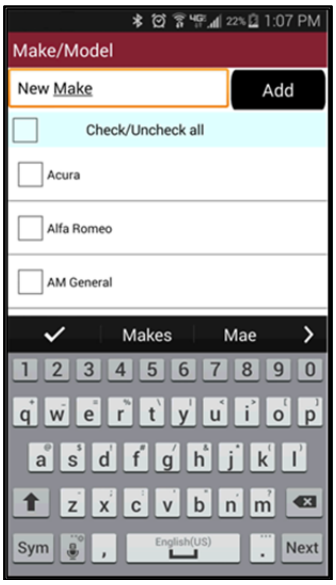


Figure 20

Figure 21

Tapping the Back key at the bottom of the phone returns SpeedCapture to the "Database" tab.

Deleting a vehicle make:

1. Tap the checkbox next to the make to be deleted, "New Make" in this example (Figure 22).
2. Once a green check mark appears next to the make to be deleted, tap the "Remove checked items" button to delete the vehicle make.

Figure 22

**NOTE** Every vehicle make has corresponding models that go with it. To add or delete a model, the steps are the same as adding and deleting a make except first tap the make and then either enter the name of the model to be added or enter a green check mark next to the model to be deleted and tap the "Remove checked items" button. Please be aware that if any vehicle make is deleted, all the accompanying models for that make will also be deleted.

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*Color Section*

Adding a vehicle color:

1. Tap "Color" (Figure 10 on Page 8) to begin. A list of current available colors is displayed (Figure 23).
2. Tap in the empty field next to the "Add" button to enter the name of the new vehicle color. In this example, "New Color" is used (Figure 24).
3. Click "Add." The new color will appear in alphabetical order (Figure 25).

Figure 23

Figure 24

Figure 25

Tapping the Back key at the bottom of the phone returns SpeedCapture to the "Database" tab.

Deleting a vehicle color:

1. Tap the checkbox next to the vehicle color to be deleted, "New Color" in this example (Figure 26).
2. Once a green check mark appears next to the vehicle color to be deleted, tap the "Remove checked items" button to delete the vehicle color.

Figure 26

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*Offense Section*

Adding an offense:

1. Tap "Offense" to begin (Figure 10 on Page 8). A list of current offenses is displayed (Figure 27).
2. Tap in the empty field next to the "Add" button to enter the name of the new offense. "New Offense" is used in this example (Figure 28).
3. Tap "Add." The new offense will appear in alphabetical order (Figure 29).

Figure 27

Figure 28

Figure 29

Tapping the Back key at the bottom of the phone returns SpeedCapture to the "Database" tab.

Deleting an offense:

1. Tap the checkbox next to the offense to be deleted, "New Offense" in this example (Figure 30).
2. Once a green check mark appears next to the offense to be deleted, tap the "Remove checked items" button to delete the offense.

Figure 30

The SpeedCapture app is now ready to begin taking speed measurements, see the next section "Enforcing with SpeedCapture."

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# 3. Enforcing with SpeedCapture

Now that all the settings have been entered, SpeedCapture is ready to begin taking speed measurements. To begin, tap "Enforce" from the SpeedCapture main menu (Figure 30A).

Figure 31 A

1. Tap "Enforce" from the SpeedCapture Main Screen to begin an enforcement session (Figure 31A).
2. SpeedCapture will display a map with current location marked by a pin (Figure 31B). Depending on degree of accuracy of the phone/tablet and whether or not WIFI is used, the pin may not be notating the exact position. If the pin must be moved to a more precise location, you may tap and hold to lift the pin and drag it to move. Lifting your finger from the screen will drop the pin in the new location (Figure 31C). This location nearest address and long/lat is assigned to the current enforcement session and will be displayed on saved log records.
3. Tap [Enforce] at the bottom left corner of the map screen when satisfied with the pin location. The Enforce screen will display.

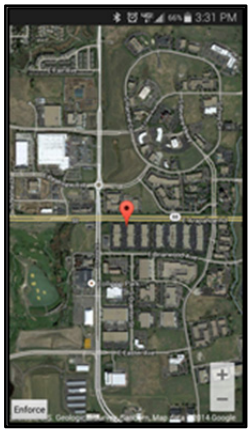


Figure 31 B

Figure 31 C

If desired, the location may be entered manually in Settings (Page 5).

GPS long/lat may display, and is an option that can be turned off in Settings.

**NOTE** The laser is designed to take speed measurements in various different modes: speed mode, weather mode, continuous mode, and survey mode. Speed, weather, and continuous modes are utilized by the SpeedCapture app. SpeedCapture does not currently support the use of the laser while in survey mode. For more information on how to switch modes with the laser device, please refer to the user's manual that shipped with the laser.

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The "Enforce" main screen is shown below (Figure 32):

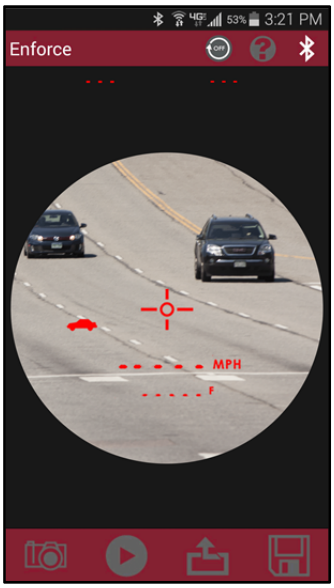


Figure 32

**Description of Enforce screen:**

- Ensure that the Bluetooth icon in the upper right-hand corner of the screen is white to verify that the laser and phone are communicating properly. If after a few moments, it is still black, tap it for available devices.
- Tap the icon to view a quick reference guide to the app or access a link to download the full user's guide.
- Tap the icon turn continuous mode on ( ) and off in the laser. This button active only when a laser is connected.
- When a measurement is captured, "--- MPH" will display the offender's speed; "--- F" will display the range of the vehicle at the time the speed measurement was recorded.
- The crosshairs in the middle of the screen are displayed exactly the same as what is seen if looking directly through the scope of the laser.
- Tap the icon to take a speed measurement and photo of whatever is in the crosshairs when in regular speed mode. When the laser is in continuous mode, tap to begin firing the laser and tap to stop firing and take the measurement/photo.
- Tap the icon to clear out any existing measurement and returns SpeedCapture back the "Enforce" screen to take a new speed measurement.
- Tap the icon to save a speed measurement with image to the phone's photo gallery, or sent it via email, text, etc. to another officer (photo with embedded speed/distance/date/time only).
- Tap the icon in the lower right-hand corner to save the measurement to the logs and add details about the offender and offending vehicle.
- Tap the back button on the Android phone to close the "Enforce" screen and return the SpeedCapture main screen to review/edit the current settings, review/download saved logs, or to exit the app.

## Taking Measurements

SpeedCapture functionality allows for enforcement records to be taken with the laser in two different firing modes. This section explains the operation of SpeedCapture in each mode:

- Single Shot Speed Mode: In single shot speed mode officers can view traffic through the scope of the laser, fire the laser at a vehicle, and receive a record that includes image with the embedded measurement information (speed/range/date/time).

- Continuous Mode: In continuous mode officers can view traffic while the laser is firing and displaying measurements, but the image is not taken until the officer chooses. For example, speeds of approaching vehicles can be tracked until a violation-worthy speed or event occurs.

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Single Shot Speed Mode

1. To begin, aim the crosshairs at the target vehicle (Figure 33).

2. With the target vehicle in sight, press the icon in the lower left-hand corner of the screen to take a speed measurement. Pressing the "Fire" button on the TruSpeed laser will also work with SpeedCapture for taking measurements. For further operational information about the laser device, refer to the user's manual that shipped with the laser.

3. The SpeedCapture screen should depict the speed measurement recording that was just taken (Figure 34). Along with the speed, the record will show a photograph of the offending vehicle, the current date and time, and the range to the vehicle at the time the speed measurement was taken. If desired, proceed on to save the measurement/image record for later reference or send it to others (Page 18). To continue taking another measurement without saving, tap .

Figure 33

Figure 34

**NOTE** The speed and range units displayed are dictated by the laser model. Metric lasers will display units in kilometers and meters.

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Continuous Mode

1. To begin, tap to turn continuous mode on in the laser (Figure 32, Page 15). This button will toggle to the "on" view, , and the continuous mode indicator will display (designated by the arrow on Figure 35).
2. With the target vehicle in sight, press the icon in the lower left-hand corner of the screen to begin firing and taking measurements. This button will toggle to a "stop" view once firing is initiated. Like regular speed mode, pressing the "Fire" button on the TruSpeed laser will also work with SpeedCapture for taking measurements.
3. To stop firing and take an image, tap (stop). **NOTE** Because the laser understand the release of the Fire button as the indication to stop taking measurements and display the last one, firing can only be stopped by pressing on the app.
4. The measurement and image will display (Figure 36).

Figure 35

Figure 36

**NOTE** Each time you begin enforcing with SpeedCapture, you must ensure that the Bluetooth icon is white (upper right corner of the scree). This means the laser and app are communicating properly. Upon tapping Enforce, the connection may take a moment to set. If it does not set automatically, you can manually set it by tapping the Bluetooth icon and selecting your laser. If you attempt to press buttons on the app when the app and laser have not yet established communication, you may need to shut down the laser or close the app and re-open to continue.

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## Saving Enforcement Records

There are three ways to save an enforcement record. The first method, Save to gallery, sends the shot to the phone's photo gallery without manually entering any further information about the offense. Choosing Send to others attaches the shot to a text, email, etc. to send to others. The last method, Saving to Logs, goes beyond the embedded image to allow officers to include more detailed information about the offense that is automatically paired with the embedded photo from SpeedCapture.

### *Saving to Photo Gallery*

To save a speed measurement with photo to the photo gallery:

1. Tap the icon at the bottom of the screen (Figure 37) to begin.
2. Tap "Save to gallery" (Figure 38) to save the record to the photo gallery. The speed measurement record will now appear in the photo gallery.

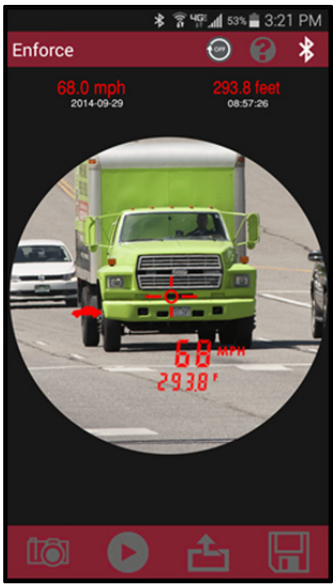


Figure 37

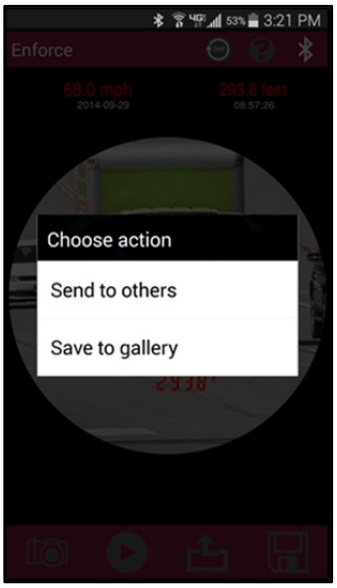


Figure 38

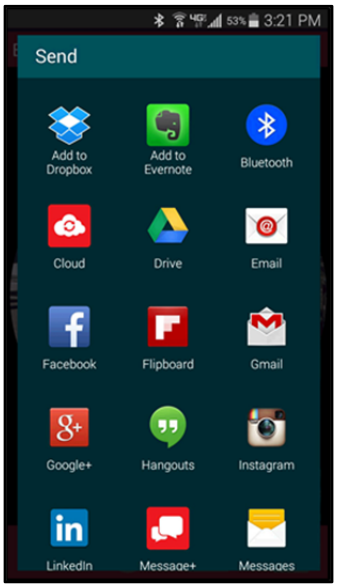


Figure 39

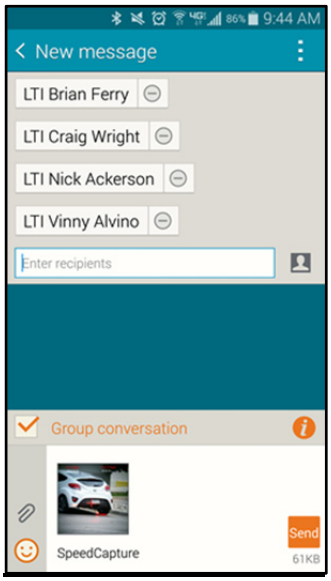


Figure 40

### *Send to Others*

To send a speed measurement to others:

1. Tap the icon at the bottom of the screen (Figure 36) to begin.
2. Tap "Send to others" (Figure 38) to launch a list of options for sending the speed measurement (Figure 39).
3. Proceed with sending the enforcement record as if it were any other photograph or file by selecting the delivery method of choice and the intended recipient. If text message is selected, and contacts have been added, the enforcement image will automatically attach to the text and recipients will be listed (Figure 40). Tap "Send" to send the message just like any other text message. The process to add contacts is described on Page 9.

### *Saving to Logs*

The Save option within the Enforce screen, enables the entering of further details about the offender and the vehicle. There are three tabs in Save in which information may be entered: Car, Ticket, and General. The following section demonstrates entering this additional information step-by-step. Enforcement records that are saved to the logs can be accessed later for editing though the Logs area on the SpeedCapture main screen (Page 24). Only one field is required to complete a save: Officer Name. Once entered, SpeedCapture remembers the Officer Name until the app is uninstalled so saving is quick and easy.

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Car Tab

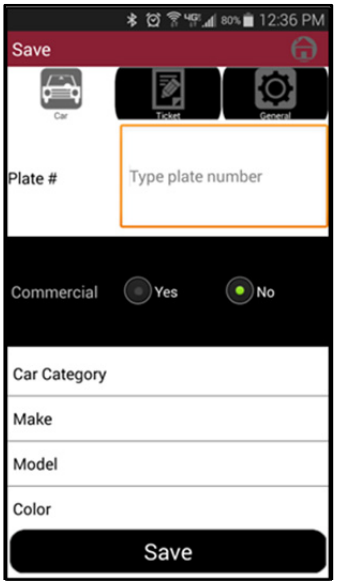


Figure 41

**Description of Car Tab Entry Fields:**

- **Plate#:** Enter the offending vehicle's license plate number.
- **Commercial:** If the vehicle is a commercial vehicle, tap "Yes". This field automatically defaults to "No" unless it is manually changed.
- **Car Category:** Allows for the selection of the offending vehicle category.
- **Make:** Allows for selection of the offending vehicle make.
- **Model:** Allows for selection of the offending vehicle model.
- **Color:** Allows for selection of the offending vehicle color.
- **Save**: Tap to save the entries.

To Save Car Information to the Logs:

1. Tap the "Save" icon at the bottom of the Enforce screen (Figure 32 Page 15) to begin. The "Car" tab (Figure 42) comes up to allow for entry of detailed information about offending vehicle.
2. Tap the "Plate#" field at the top of the screen to place the cursor.
3. The field "Commercial" defaults to "No." If the offending vehicle is commercial, tap "Yes" next to that field.
4. Tap "<Car Category>" to bring up a list of broad vehicle types (Figure 43).
5. Tap the offending vehicle type to select it. In this example, the vehicle type is "SUV." When the vehicle type is selected, SpeedCapture automatically redirects back to the "Car" tab where "SUVs" now replaces "<Car Category>" (Figure 44).

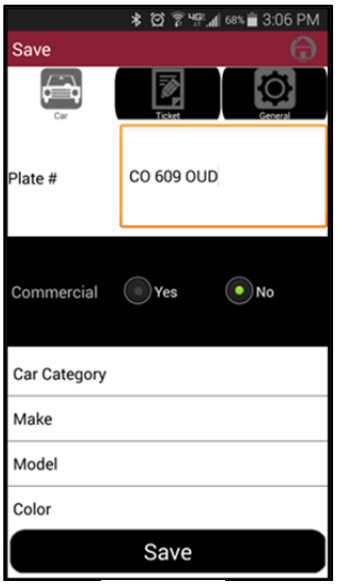


Figure 42

Figure 43

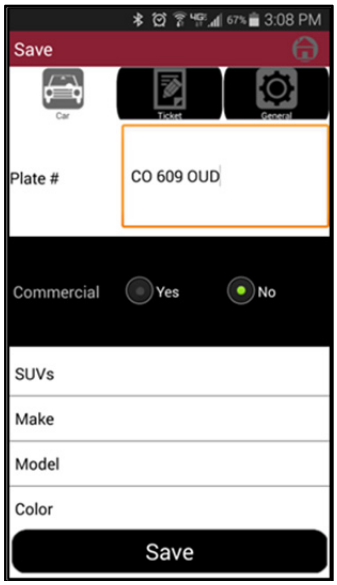


Figure 44

6. Tap "<Make>" to bring up a list of vehicle makes to choose from (Figure 44).

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7. Tap the make of the offending vehicle to select it. In this example, the make "Suzuki" is selected (Figure 45). When the vehicle make is selected, SpeedCapture automatically redirects back to the "Car" tab where "Suzuki" now replaces "<Make>" (Figure 46).

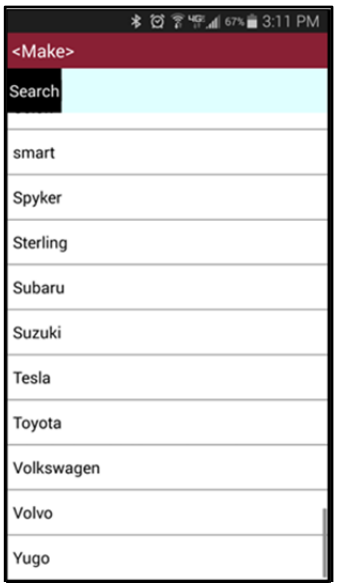


Figure 45

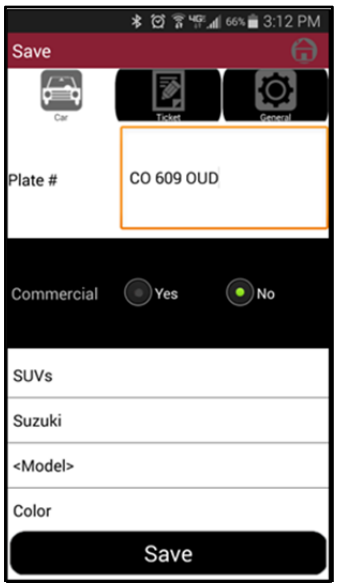


Figure 46

8. Tap "<Model>" to bring up a list of vehicle models (Figure 45).
9. Tap the model of the offending vehicle to select it. In this example, the model is "Aerio" (Figure 47). When the vehicle model is selected, SpeedCapture automatically redirects back to the "Car" tab where "Aerio" now replaces "<Model>" (Figure 48).

Figure 47

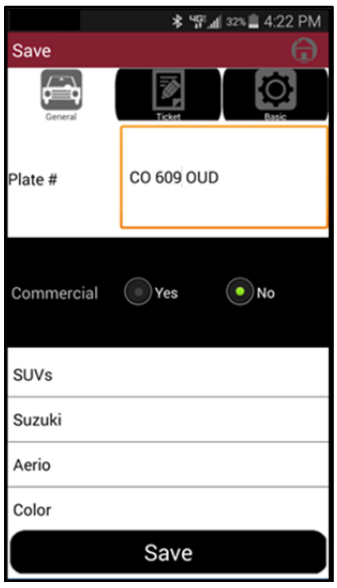


Figure 48

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10. Tap "<Color>" to bring up a list of vehicle colors to choose from (Figure 48 on Page 20).
11. Tap the color of the offending vehicle. In this example, "Silver" is selected (Figure 49). When the vehicle color is selected, SpeedCapture automatically redirects back to the "Car" tab where "Silver" now replaces "<Color>" (Figure 50).

Figure 49

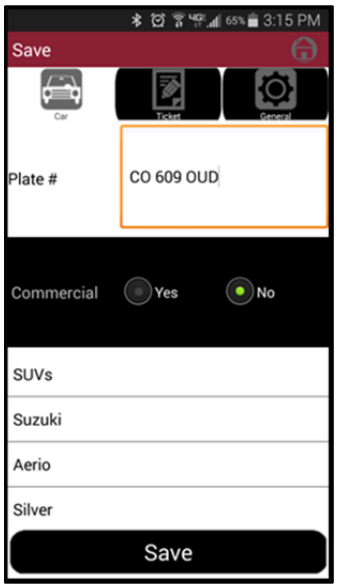


Figure 50

Ticket Tab

In addition to entering information about the offending vehicle, information may also be entered about the ticket issued. This information is entered in the "Ticket" tab of the Save screen (Figure 51):

Figure 51

**Description of Ticket Tab Entry Fields:**

- **Date/Time of the offense:** Automatically listed at the top of the screen. This information is brought forward from the speed measurement itself and cannot be edited.
- **Citation#:** Enter the issued citation number.
- **Offense:** Select the offense committed by the driver.
- **Occupants:** Enter the number of occupants inside the vehicle at the time of the offense.
- **License#:** Enter the driver's license number of the offender.
- **<Note>**: Enter any other additional information about the offense.

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Enter Ticket Information to an enforcement record:

1. Tap the "Ticket" tab at the top of the Save screen. The "Ticket" tab (Figure 52) is displayed where detailed information with regard to the actual citation is entered.
2. Tap the "Citation#" field to place the cursor. Enter the issued citation number here.
3. Tap "<Offense>" to bring up a list of offense options (Figure 53). In this example, speeding is the selected offense.
4. Tap in the "Occupants" field to enter the number of occupants in the vehicle at the time of the offense (Figure 54).

Figure 52

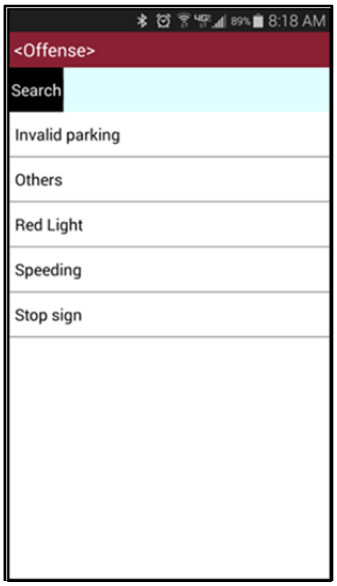


Figure 53

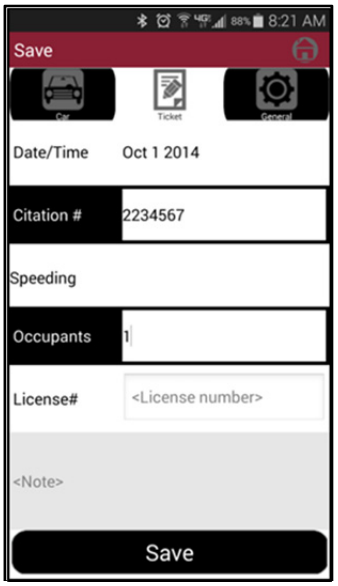


Figure 54

5. Tap the "License#" field to enter the offender's driver's license number (Figure 55).
6. Tap "Type Note" if any additional information is needed about the ticket, the vehicle, or the offense (Figure 55).

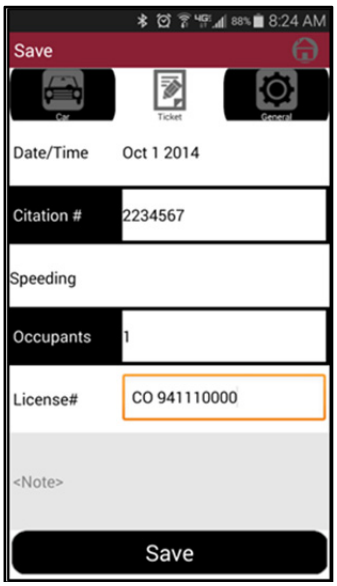


Figure 55

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General Tab

After all the desired vehicle and offense information is entered in the Car and Ticket tabs, check the "General" tab to verify that the information is correct. This tab is the same as the General tab in Settings. It exists here in case Officer Name, Location, etc. need to be edited at the last minute. For example, if the phone is a department shared phone, it is possible that the Officer Name is incorrect from previous use. The information contained in this tab carries over from what was may have been entered in Settings before taking any speed measurements. Location can be manually entered here, if not satisfied with the closest address provided by Google Maps. See Configuring the Settings/Ticket Tab on Page 5 for help entering these settings. Tap the "Save" button to save the speed measurement record (Figure 56).

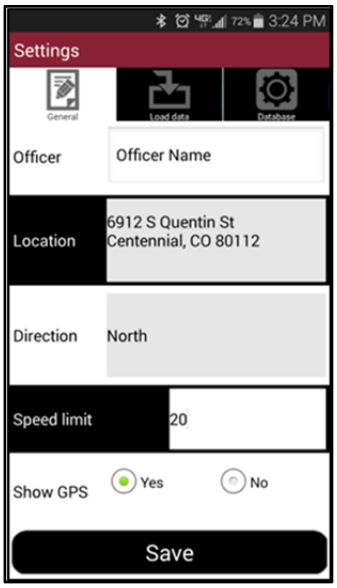


Figure 56

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# 4. Enforcement Logs

At any time, saved enforcement records may be reviewed or downloaded to a computer by utilizing SpeedCapture's "Logs" section (Figure 57). In this section, choose to either look at records from a specific time period or all the records listed on the phone.

Figure 57

Tap "Logs" to review or download detailed records of speed measurements.

## Reviewing Enforcement Records

### Reviewing All Enforcement Records

To review all records logged on the phone:

1. Select "All" across all three scrollbars (Figure 58).
2. Tap "View Logs." SpeedCapture will display a list of all the records made with that particular phone.
3. Tap a record to view its details (Figure 59). In this example, the record "Aerio / Silver" was selected. SpeedCapture will display that individual record (Figure 60).

Figure 58

8:39 AM
Logs List
Aerio / Silver
Oct 1 2014, Speeding, CO 609 OUD
F-650 / Green
Sep 29 2014, Speeding, 197 TWT
1 Series M / Gray
Sep 26 2014, Speeding, 456 TDE

Figure 59

Figure 60

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Reviewing Records from a Specific Time Period

To review records from a specific time period logged on the phone:

1. Select month/day/year of the records to view across each scrollbar respectively (Figure 61).
2. Tap "View Logs". SpeedCapture will display a list of all the records made in that time period with that particular phone.
3. Tap an individual record to view its details (Figure 62). SpeedCapture will display that individual record (Figure 63).

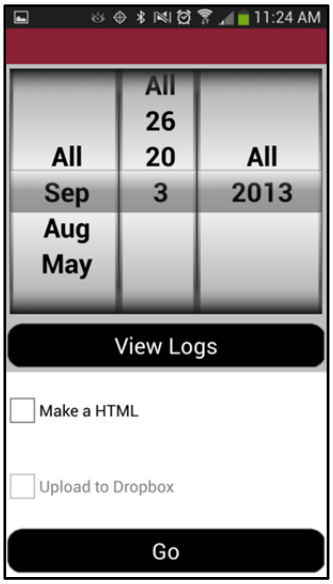


Figure 61

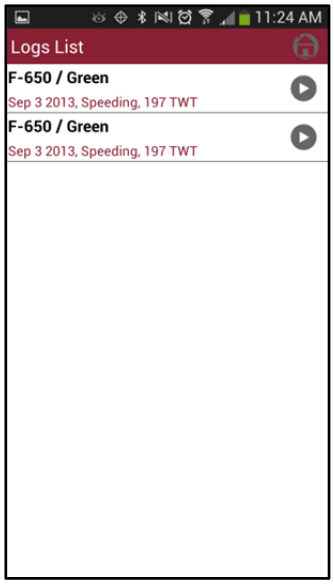


Figure 62

Figure 63

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Reviewing Records by Location

The "Location" section of SpeedCapture allows users to quickly see how many enforcement records they have saved at all enforcement locations. Records that have been deleted will not show up here. To review the number of records taken from a specific location:

1. From the SpeedCapture main screen, tap "Location" (Figure 64).
2. A map will display, notating enforcement locations and record clusters with a blue circle (Figure 65).
3. Tap an individual record to view its address (Figure 66).

Figure 64

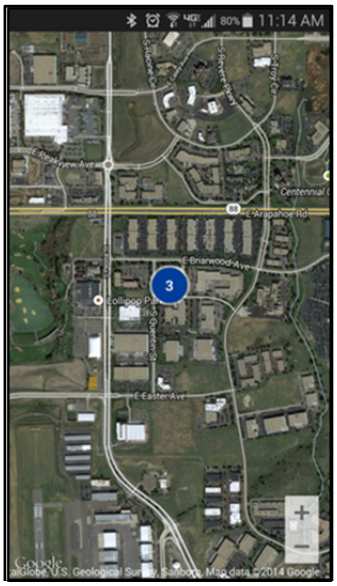


Figure 65

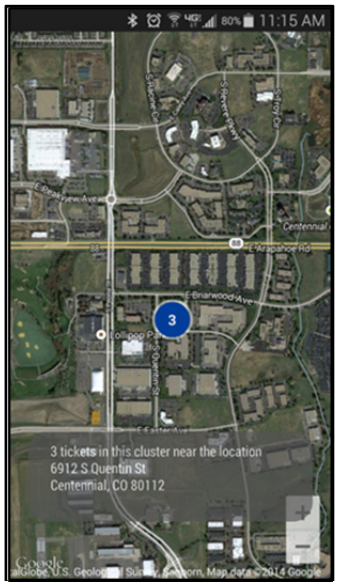


Figure 66

## Editing Enforcement Records

Enforcement records can be saved to the "Logs" section of SpeedCapture requiring only the "Officer Name" field to be filled. When enforcement records are viewed, they may be edited to add further information, if desired. When viewing an individual record, tap the information display windows (Figure 67) at the bottom of the record to open the fields for editing. Remember that you must tap "Save" to apply any changes made.

Enforcement records may also be deleted. To do so, tap icon in the upper right corner of the screen.

Figure 67

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## Downloading Enforcement Records

All saved speed measurements can be accessed and downloaded to a computer through SpeedCapture's "Logs" section. To begin, select the dates to be downloaded:

Figure 68

For this example, all enforcement records have been selected for download.

At the bottom of the screen, there are two choices for downloading log records (Figure 68):

- **Make an HTML:** Selecting this option and tapping "Go" will save the selected records to an HTML file that can later be downloaded to a work station via cable connection.
- **Use FTP:** Selecting this option also creates an HTML file of the selected records and then uploads the file to a user-defined server destination

### Accessing HTML Log Files via Cable Connection to Phone

After selecting "Make an HTML" and "Go" from the Logs section, do the following to access those records:

1. Connect the phone to a computer/workstation.
   An AutoPlay screen will display (Figure 69). **NOTE** If an AutoPlay screen does not display, open File Explorer or My Computer and double-click the device name under the Computer section.
2. Select "Open device to view files".
3. Double-click "Phone."
4. Double-click "Pictures" (Figure 70).

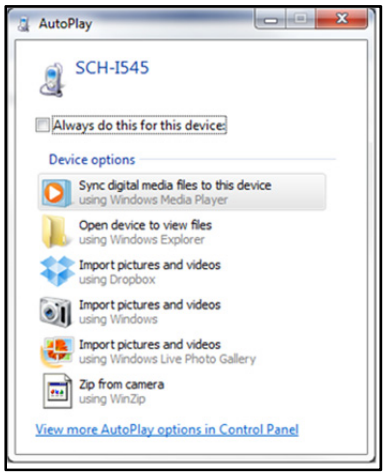


Figure 69

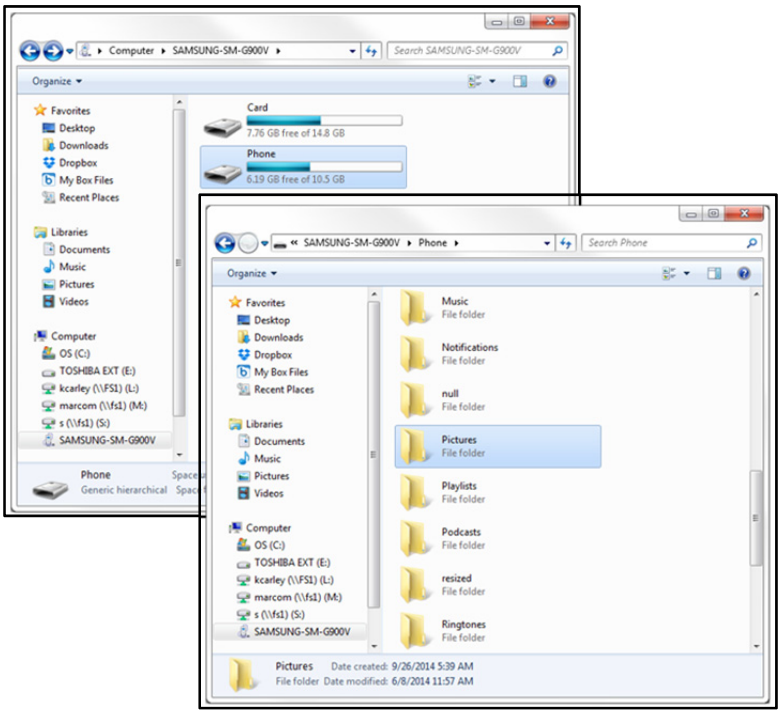


Figure 70

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5. Double-click the folder "SpeedCapture" to view the saved HTML files.
6. Copy the time specific folder of choice to a location off of the phone and on a computer (Figure 71). **Copy all the files from the phone and paste on the work station**.
7. Double-click the HTML file to view the enforcement record details (Figure 72).

**NOTE** Double-clicking the HTML file while the files are still housed on the phone will display the enforcement records without the photos.

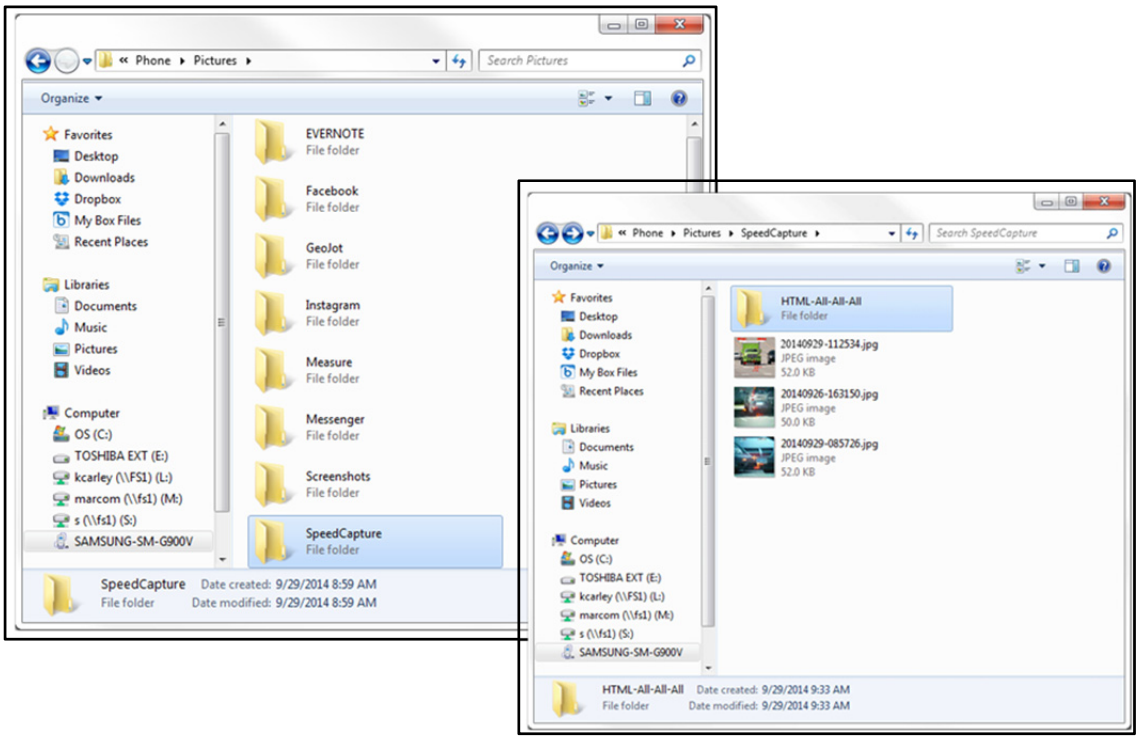


Figure 71

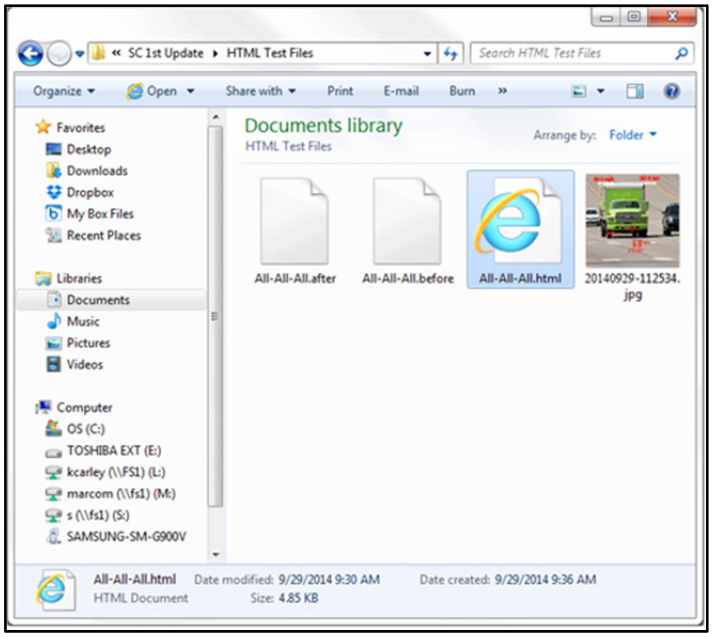


Figure 72

**Description of Downloaded Files:**

**All-All-All.before and .after**: These files can be opened with any text editor program (for example, Notepad) and list the contents of records before and after if those records were edited for the purpose of tracking changes. Data from the laser (speed/range/date/time) cannot be edited.

**All-All-All.html**: This is the primary log file. Open (double-click) this file to view the enforcement records.

**20140929-112534.jpg**: This is an image file associated with the HTML file. If image files are deleted or moved, the HTML file will no longer display the images in the records. The number of image files will equal the number or enforcement records that were downloaded.

**NOTE** "All-All-All" will display as the filename only if that was time-period selection made when the download was initiated. If specific time period was selected, the filename will include the date.

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8. Single-click on any of the records in blue to display the full saved contents of the record including the photograph of the vehicle (Figure 73).
9. Click the record a second time to close it.

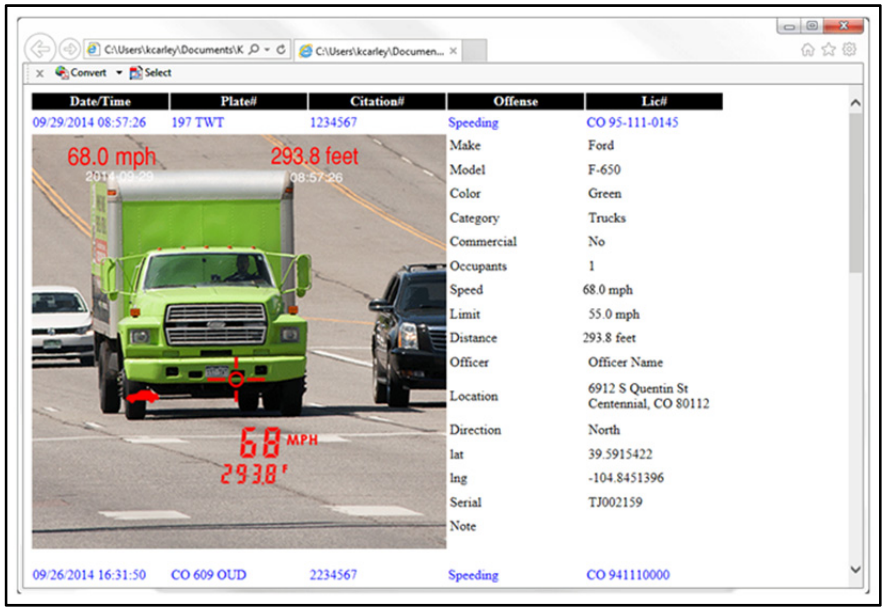


Figure 73

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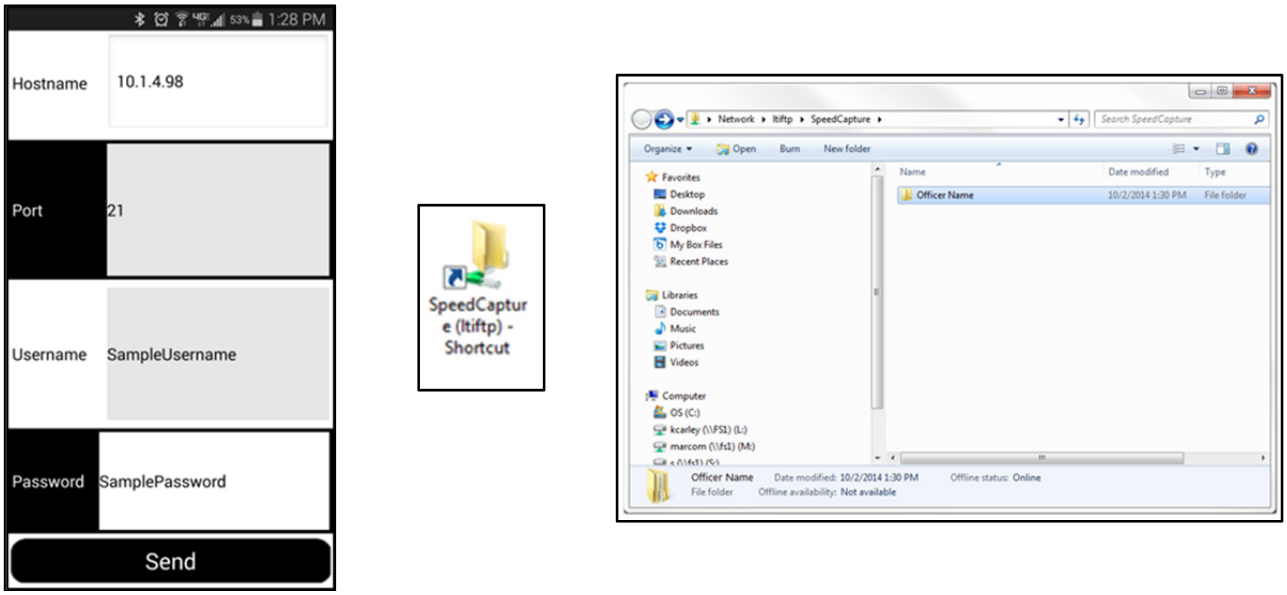
## Accessing HTML Log Files via FTP Transfer

Law enforcement IT departments can set up a server location that downloaded enforcement records can go to via FTP. These records come in to the location organized by Officer Name, Date of Upload, and Time of Upload. FTP shortcuts can be set up for each Officer to access their own log files or for anyone who will be further processing the data.

After selecting "Use FTP" and "Go" from the Logs section (Figure 68, Page 27), do the following:

1. Enter the Hostname, Port, Username, and Password for the server location the files will transfer to (Figure 74A). SpeedCapture will remember this information indefinitely unless the app is uninstalled from the phone.
2. There are various ways to access data transferred via FTP. In this example, a shortcut has been set up on the work station desktop. Double-click the shortcut (Figure 74B).
3. File Explorer will display showing folders for each Officer that is sending files to the server location. In this example, only one officer (Officer Name) has transferred files (Figure 74C).
   **NOTE** Whatever is entered in the Officer Name field (Figure 7, Page 5) is what will be used as the first folder in the file structure on the server. If using this feature, ensure that Officer Names remain consistent.
4. Double-click the folder with the desired upload date to view the contents, and then double-click the folder with the desired upload time (time is military) (Figure 75).




A B C

Figure 74

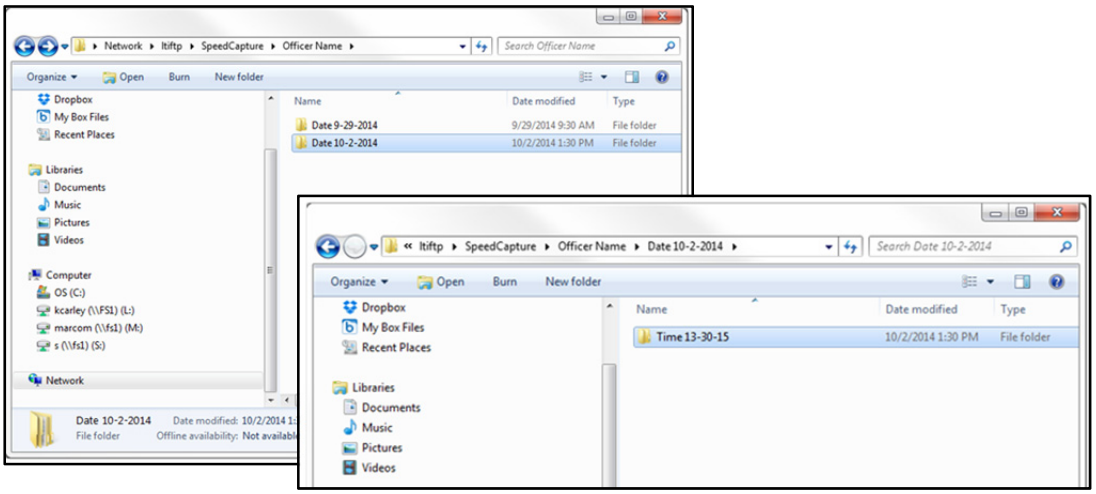



Figure 75

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5. Downloaded files will display (Figure 76). Go to Page 28 to see a description of the files.
6. Double-click All-All-All.html to see the detailed enforcement records.
7. Single-click on any of the records in blue to display the full saved contents of the record including the photograph of the vehicle (Figure 77).
8. Click the record a second time to close it.

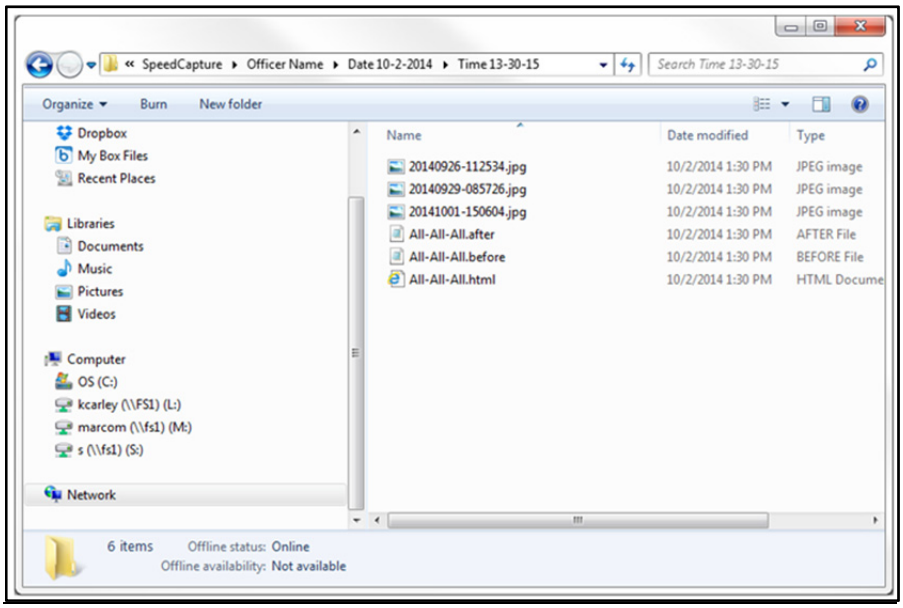


Figure 76

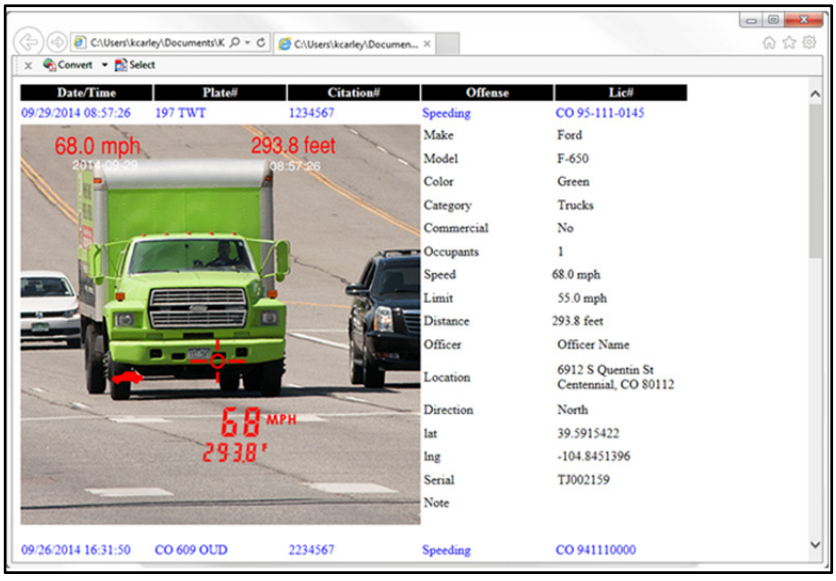


Figure 77